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=> s jp 48038635/pn
L1 1 JP 48038635/PN
(JP48038635/PN)

=> d l1 ibib ab

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:98831 CAPLUS Full-text
DOCUMENT NUMBER: 82:98831
TITLE: Polyester
INVENTOR(S): Chimura, Kazuchika; Ito, Kazuo; Takashima, Shunichi; Shindo, Tamao; Kawashima, Masao
PATENT ASSIGNEE(S): Mitsubishi Rayon Co., Ltd.
SOURCE: Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 48038635	B	19731119	JP 1969-59874		19690729	<--
BE 748781	A	19700916	BE 1970-748781		19700410	
NL 7005224	A	19710202	NL 1970-5224		19700410	
PRIORITY APPLN. INFO.:			JP 1969-59873	A	19690729	
			JP 1969-59874	A	19690729	

AB A catalyst mixture containing 0.005-0.2 weight % crystalline GeO2 [1310-53-8] (particle diameter .apprx.100 μ) and Ca(OAc)2 [62-54-4] or CaH2 [7789-78-8] (0.4-1.5 Ca per Ge) as a solution in ethylene glycol (I), Sb [7440-36-0] (0.1-2.0 Sb per Ge; particle diameter <100 μ), and CaO, Zn(OAc)2, or Mg(OAc)2, and optionally containing triphenyl phosphate was useful for polycondensation of a composition containing dimethyl terephthalate (II) or mixts. of II and dimethyl isophthalate, and I to give polyesters with improved whiteness. Thus, a mixture containing II 200, I 150, Ca(OAc)2 0.1, and Sb 0.024 g was heated at 190-210° to cause ester-exchange reaction. After removal of MeOH formed the mixture was heated to 250° to remove excess I. A composition containing 0.04 g hexagonal GeO2 and 0.04 g Ca(OAc)2 in I was added and the mixture was heated 1 hr at 285° and 0.5 mm to give a white polymer [25038-59-9], intrinsic viscosity (1:1 PhOH-C2H2Cl4 mixture, 25°) 0.782 and softening temperature 259°, compared to 0.674 and 252°, resp., for a polymer prepared from a similar composition in the absence of Sb, and 0.688 and 254°, resp., for a polymer prepared from a similar composition containing SbPh3 instead of Sb; the amount of GeO2 retained in the polymer was 87%, compared to 72% for similar polymerization without Sb.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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